

Sunoco, Inc. 3144 Passyunk Avenue Philadelphia, PA 19145-5299 215 339 2000

#### HAND DELIVERED

August 30, 2012

Mr. Edward Wiener Chief, Source Registration Air Management Services 321 University Avenue Philadelphia, Pa. 19104

Re: Philadelphia Refinery; Plan Approval Application for Temporary Operation of the Girard Point Processing Area No. 38 Boiler During Maintenance or Steam Outages Involving No. 3 Boiler House or the Steam Generating Portions of Unit 1232; as per Fourth Amendment to the Consent Decree Civil Action No. 05-02866 as Lodged 8/17/12.

Dear Mr. Wiener:

Attached please find three copies of a Plan Approval Application and a check for \$1000.00 to cover the fee. This application covers the temporary operation of Girard Point Boiler No. 38 as referenced above.

Sunoco will appreciate receiving a letter that the application is administratively complete before the closing of the sale of the refinery to Phila. Energy Solutions Refining and Marketing LLC currently set for September 6, 2012.

Very truly yours,

Charles D. Barksdale, Jr. Manager, Environmental Department

gcf

File: Permit App. For No. 38 Boiler Temp Oper. & AMS Correspondence 2012

#### SUNOCO, INC. (R&M)

PAYEE NAME CITY OF PHILADELPHIA PAYEE NO. CITOFPO023 PAYMENT DATE 08-28-2012

PAYMENT NO. 6002856162

CONTROL NO. 00000007

CONTROL NUMBER DATE APPL AREA

INVOICE NO.

GROSS AMOUNT

DISCOUNT AMOUNT

NET **AMOUNT** 

4002

08-27-12

PERMIT APPLICATION FEE FOR 3 BOILERHOUSE BACKUP

82712100000

1,000.00

.00

1,000.00

1,000.00

.00

1,000.00

FOR INQUIRIES, SEE REVERSE SIDE

ADDRESS CHANGE INFORMATION CITOFPO023

PAYEE NUMBER:

NAME: \_\_\_

ADDRESS:

IF YOUR ADDRESS HAS CHANGED, PLEASE DETACH AND RETURN TO THE ADDRESS BELOW

VENDOR PAYMENT

FPCHKP

SUNOCO, INC. (R&M) SUITE LL 11TH FL

56162 1735 MARKET STREET PHILADELPHIA, PA 19103-7583

00007

00007

PAYMENT DATE 08-28-2012

PAYMENT NO. 6002856162

PAY TO THE ORDER OF:

PAY EXACTLY

\$\*\*\*\*\*\*1,000.00

CITY OF PHILADELPHIA C/O AIR MANAGEMENT SERVICES 321 UNIVERSITY AVE PHILADELPHIA PA 19104-4543

AUTHORIZED SIGNATURE

##6002856162# #031100225# 2079950038481#



## CITY OF PHILADELPHIA

DEPARTMENT OF PUBLIC HEALTH PUBLIC HEALTH SERVICES AIR MANAGEMENT SERVICES Air Management Services 321 University Avenue Philadelphia PA 19104-4543 Phone: (215) 685-7572 FAX: (215) 685-7593

# APPLICATION FOR PLAN APPROVAL TO CONSTRUCT, MODIFY OR REACTIVATE AN AIR CONTAMINATION SOURCE AND/OR AIR CLEANING DEVICE

(Prepare all information completely in print or type in triplicate)

1-				<b>~</b>									
		SE	CTION A -	APPL	ICATION INFO								
Location of source (Street Address)						Faci	ility Name						
3144 Passyunk Avenue						Philadelphia Facility							
Owner						Tax ID No.							
Sunoco Inc. (R&M)		23-1743283											
Mailing Address							Telephone No. Fax No.						
3144 Passyunk Avenue, Philadelphia	i, PA 1914	5	<u></u>				5) 339-2074		(215) 339	-2657	<del></del>	, <u>-</u>	
Contact Person Title Charles D. Barksdale Manager, Environmental Department													
Mailing Address						Tele	ephone No.	1	Fax No				
3144 Passyunk Avenue, Philadelphia	ı, PA 1914	5					5) 339-2074		(215) 339	-2657			
			SECTION	B - DES	SCRIPTION OF AC	TIVI	TY						
Application type								SIC Co	ode	Comple	etion Date		
☐New source ☐Modification ☐R	eplacement	Rea	ctivation	Air clea	ning device 🖾 Other	r		2911		On App	proval		
					Does Facility subm	nit Co				✓ Yes	s 🗌 No		
□ NSPS □ NESHAP □ Case	by Case MA	ACT [	] NSR 🔲	PSD	If No attach Air Po					m with thi	is applica	ation.	
Source Description:					<u> </u>								
Operate No. 38 Boiler at No. 3 Boile											ı. Refine	ery	
No. 3 Boiler House or the steam gene										<u>1, 2014.</u>			
	TION C -	PERMI	F COORDIN.	ATION	(ONLY REQUIRE	DFO	R LAND DEVELO	OPMEN	T)		VEC	LNO	
Question 1. Will the project involve construction activity that disturbs five or more acres of land?						YES	NO X						
2. Will the project involve discharge of industrial wastewater or stormwater to a dry swale, surface water, ground water or an existing sanitary sewer							<del> </del>	1-					
system?							<u> </u>	X					
3. Will the project involve the construction and operation of industrial waste treatment facility?								X					
4. Is onsite sewage disposal proposed for your project?								X					
5. Will the project involve construction of sewage treatment facilities, sanitary sewer, or sewage pumping station?								X					
6. Is a stormwater collection and discharge system proposed for this project?							<u> </u>	X					
7. Will any work associated with this project take place in or near a stream, waterway, or wetland?							ļ	X					
8. Does the project involve dredging or construction of any dam, pier, bridge or outfall pipe?							<del> </del>	X					
9. Will any solid waste or liquid wastes be generated as a result of the project?								$\frac{\lambda}{X}$					
10. Is a State Park located within two miles from your project?  SECTION D – CERTIFICATION							1_^						
I certify that I have the authority	to submit t	bis Pern					ed herein and that	the info	rmation nr	ovided in	this	<del></del> -	
application is true and correct to the										011404			
Signature /	-		Date	9/31	/12 Addre	ess	3144 Passyun	k Avenu	ıe, Philadel	lphia, PA	19145		
Name & Title James A. Keeler, Go	eneral Mana	ger		Phot	ne (215) 339-7414		Fax_(215) 339-265	<u> 7</u>					
			AFCOL	ONE	OFFICIAL HEF OL	T# \$7							
Application No.	Plant ID		Health Distr		OFFICIAL USE ON Census Tract	IL Y	Fee	Data	Received				
Appheauou No.	riain iD		neam Dist	net	Census Tract		ree	Date	Received				
			1	I									
Approved by		Date		Confor	mance by	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Date					
		İ								*			
		:											

				SECTI	ON F 1 - GENERA	L SOURCE INFORMA	ATION				71.				
1.	SOURCE							2. NORMA	L PROCES:	OPERA	TING SC	HEDUL	.E		
	A. Type Source (Describe)			E. Type of Materials Pro	rials Processed Pro		A. Amount Av Processed/yr. h: (Specify units)		C. Total hr/yr		D. % Throughput/Quarter				
1	No. 38 Boiler at No. 3 Boiler House					Refinery Fuel Gas/Na Gas	tural					l <sub>21</sub>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>
3.	ESTIMATED FUEL USAGE	(Specify Unit	(S)				14 AN	NUAL FUEL	LISAGE						
A. Used in Unit	B. Type Fuel	C. Average Hourly Rate	D. Maximum Hourly Rate	E. Percent Sulfur	F. Percent Ash	G. Heating Value		A. ual Amounts	B. C. D.  Average hr/day Total hr/yr % Throughput/O		put/Quar				
	See Attached Discussions											18	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>
	Concerning Temporary														
	Use During Certain Steam														
	Outages										· · · · · · · · · · · · · · · · · · ·				
5. IMP(	ORTANT: Attach on a sepa	rate sheet a f	low diagram of	nrocess giving g	ll (gaseous liquid	and solid) flow rates	Also list w				•	4 1 . 1	L		<u> </u>

5. IMPORTANT: Attach on a separate sheet a flow diagram of process giving all (gaseous, liquid, and solid) flow rates. Also list raw materials charged to process equipment and the amounts charged (tons/hour, etc.) at rated capacity (give maximum, minimum and average charges describing fully expected variations in production rates). Indicate (on diagram) all points where contaminants are controlled (location of water sprays, hoods or other pickup points, etc.).

SECTION F 1 - GENERAL SOURCE INFORMATION, CONTINUED
6. Describe process equipments in detail.
See Discussion Sections.
7. Describe fully the methods used to monitor and record all operating conditions that may affect the emission of air contaminants. Provide detailed
information to show that these methods provided are adequate.
The manufaction of the accommended provided are accommended.
Existing NOx monitoring equipment aty No. 3 Boiler House will be used
Describe modifications to process equipments in detail.
o. Describe modifications to process equipments in detail.
Mainmtenance to the Boiler and Possible Installation of ULNB Technology
The state of the sound in the state of the s
9. Attach any and all additional information necessary to adequately describe the process equipment and to perform a thorough evaluation of the extent and
nature of its emissions.
See Attached Discussion Sections

	SECTION	F 2 - COMBUSTION UNI	TS INFORMATION					
1. COMBUSTION UNITS No. 38 Boil	er at No. 3 Boiler House	,						
A. Manufacturer NA	B. Model No. NA		C. Unit No. NA					
D. Rated heat input (Btu/hr) NA	E. Peak heat input (E	Stu/hr)	F. Use NA					
G. Method firing (TBD)								
☐ Pulverized ☐ Spreader Stoker	☐ Cyclone ☐ Tange	ntial 🗌 Normal 🗌 Fluidiz	ed bed Other					
2. FUEL REQUIREMENTS								
ТҮРЕ	QUANTITY HOURLY	QUANTITY ANNUALLY	SULFUR	ASH	BTU CONTENT			
OIL NUMBER	NA	NA	NA	NA	NA			
NA								
OTHER NA	NA	NA	NA	NA	NA			
3. COMBUSTION AIDS, CONTROLS,	AND MONITORS							
A. Overfire jets		Туре	Number		Height above grate			
☐ B. Draft controls		Туре	Туре					
☐ C. Oil preheat								
D. Soot cleaning	Temperature (° F)	Frequency						
☐ E. Stack sprays	Method							
☐ F. Opacity monitoring device		Method		Cost				
G. Sulfur oxides monitoring device	Туре	Method		Cost				
H. Nitrogen oxides monitoring device	Туре	Method		Cost				
☐ I. Fuel metering and/or recording device	Туре	Method		Cost				
J. Atomization interlocking device		Туре	Method		Cost			
☐ K. Collected flyash reentrainment prev	entative device	Туре						
L. Modulating controls	itep utomatic							
4. ☐ Flyash reinjection. (Describe operati N/A	on)							
5. Describe method of supplying make up	air to the furnace room.							
N/A								
				<del></del>				

		SECTION	F 2 - COMBUSTI	ION UNITS INFORM	ATION, CONTINU	ED
6.	OPERATING SCHEDUI	LE				.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	NA	hours/day	NA	days/week	NA	weeks/year
7.	SEASONAL PERIODS (	(MONTHS) N/A		<u></u>		
	Operating using primary f			Operat	ting using secondary f	uel
		to				)
		_ 10	<u>Lances Bris Long</u>	Non-operating	***	,
		*				
				to		
8.	If heat input is in excess of fuels; smoke, sulfur oxide generation rate.	of 250 x 10 <sup>6</sup> Btu/hr., desense and nitrogen oxides e	cribe fully the methe missions; and if ele	ods used to record the fo extric generating plant, the	llowing: rate of fuel to the average electrical of	burned; heating value, sulfur and ash content of output and the minimum and maximum hourly
Suno Deci	oco will continue to monitoree Re to Heaters and Boil	or, record, and report valers	with applicable req	juirements found in the	Philadelphia Refine	ery's existing Title V permit and the Consent
9.	Describe modifications to	boiler in detail.	<u></u>			
See I	Discussion Sections					
						•
						·
10.	Type and method of dispos (Is a Solid Waste Disposal	osal of all waste materials	generated by this be	oiler.		
	(Is a Solid Waste Disposal	I Permit needed? ☐ Yes	s 🛛 No)			
11.	Briefly describe the metho	A of handling the waste	water from this boile	or and its associated air n	allution control equip	mont
11.	(Is a Water quality Manage	ement Permit needed?	Yes No)	A and its associated an po	эншион сонног саагра	ment.
12.	Attach any and all addition	nal information necessary	to perform a thorou	igh evaluation of this boi	ler.	
See A	Attached Discussion Sectio	ins.				

- USE THIS PAGE FOR COMBUSTION SOURCE, OTHERWISE REMOVE THIS PAGE FROM THIS APPLICATION. IF THERE ARE MORE THAN ONE UNIT, COPY THIS PAGE AND FILL IN THE INFORMATION AS INDICATED

SECTION G - FLUE A  I. STACK AND EXHAUSTER	ND AIR CONT	AMINANT EMISSION I	NFORMATION					
This project does not involve any changes to existing stacks or o	emission points.							
A. Outlet volume of exhaust gases		B, Exhauster (attach fan d	curves)					
CFM @°F% N	<b>1</b> oisture	in w.g.	HP @	RPM				
C . Stack height above grade (ft)	D Sta	ck diameter (ft) or Outlet d	uct area (sq. ft.)	E Weather Cap				
Grade elevation (ft)				☐ YES ☐ NO				
Distance from discharge to nearest property line(ft)								
F. Indicate on an attached sheet the location of sampling ports with	respect to exhau	st fan, breeching, etc. Give	e all necessary dimensions.					
2 POTENTIAL PROCESS EMISSIONS (OUTLET FROM PROC	CESS, BEFORE	ANY CONTROL EQUIPN	MENT)					
See Attached Discussion Sections				11.11.11.11				
A. Particulate loading (lbs/hr or gr/DSCF)  B. Specific state of the s	gravity of particu	ate (not bulk density)	C . Attached particle si	ze distribution information				
D. Specify gaseous contaminants and concentration								
Contaminant Concentration VOC	Contaminants	Concentration						
(1) $SO_x$ ppm (Vol.)lbs/hr (4)		ppm (Vol.)	lbs/hr					
(2) NO <sub>x</sub> ppm (Vol.) lbs/hr (5)		ppm (Vol.)	lbs/hr					
(3) CO ppm (Vol.) lbs/hr (6)		ppm (Vol.)	lbs/hr					
E. Does process vent through the control device ? YES	□ NO							
- If YES continue and fill out the appropriate SECTION H - CON - If NO skip to SECTION I - MISCELLANEOUS INFORMATION		ENT						
F. Can the control equipment be bypassed: (If Yes, explain)	□ YES □ N	Ю						
3. ATMOSPHERIC EMISSIONS								
A. Particulate matter emissions (tons per year)								
See Attached Discussion Sections.								
B. Gaseous contaminant emissions								
Contaminants Concentration VOC	C Contaminants	Concentration						
(1)(tpy) (4)(t	tpy)							
(2)(tpy) (5)(tpy)								
(3) (tpy) (6)	(tpy)							
Refer to Attached Discussion Sections								

SECTION H - CONTROL EQUIPMENT, CONTINUED
12. COSTS – See the Attached Discussion Sections.
A. List costs associated with control equipment. (List individual controls separately)
Control Equipment Cost: Direct Cost:
Indirect Cost:
B. Estimated annual operating costs of control equipment only.
B. Estimated annual operating costs of control equipment only.
13. Describe modifications to control equipment in detail.
N/A
14. Describe in detail the method of dust removal from the air cleaning and methods of controlling fugitive emissions from dust removal, handling and disposal.
N/A
15. Does air cleaning device employ hopper heaters, hopper vibrators or hopper level detectors? If so, describe.
N/A
16. Attach manufacturer's performance guarantees and/or warranties for each of the major components of the control system (or complete system).
17. Attach the maintenance schedule for the control equipment and any part of the process equipment that if in disrepair would increase the air contaminant emissions. Periodic maintenance reports are to be submitted to the Department.
Maintenance will be provided as per the manufacturer's recommendations.
18. Attach any and all additional information necessary to thoroughly evaluate the control equipment.
See Attached Discussion Sections.
GEGERALL MICERIA NEGRICA NEGRI
SECTION I - MISCELLANEOUS INFORMATION  1. Specify monitoring and recording devices will be used for monitoring and recording of the emission of air contaminants. Provide detailed information to show that the facilities provided are adequate. Include cost and maintenance information.
☐ Opacity monitoring system ☐ SOx monitoring system ☐ NOx monitoring system ☐ CO monitoring system ☐ CO2 monitoring system ☐ Oxygen monitoring system
☐ HCL monitoring system ☐ TRS monitoring system ☐ H2S monitoring system ☐ Temperature monitoring system ☐ Stack flow monitoring system ☐ Other
If checked, provide manufacturer's name, model no. and pertinent technical specifications.
NO CHANGES PROPOSED FROM EXISTING MONITORING, AS OUTLINED IN EXISTING TITLE V PERMIT.

- PROVIDE CONTROL EQUIPMENT INFORMATION ON THIS PAGE IF IT PERTAINS TO THIS APPLICATION, OTHERWISE REMOVE THIS PAGE FROM THE APPLICATION.

  IF THERE ARE MORE OF THE SAME TYPE OF CONTROL EQUIPMENT, COPY THAT PAGE AND FILL IN THE INFORMATION AS INDICATED. CONTROL EQUIPMENT CAN BE FOUND FROM A MANUFACTURER CATALOGUE OR VENDORS.

2. Attach Air Pollution Episode Strategy (if applicable)
NA .
3. If the source is subject to 25 Pa. Code Subchapter E, New Source Review requirements,
a. Demonstrate the availability of emission offset (if applicable)
• • • • • • • • • • • • • • • • • • • •
b. Provide an analysis of alternate sites, sizes, production processes and environmental control techniques demonstrating that the benefits of the proposed
source outweigh the environmental and social costs.
could be the registration of monatorial design
NSR is not applicable; see the Attached Discussion Sections.
NON 15 Int. applicable, see the Atlacticu Discussion Sections.
4. Attach calculations and any additional information necessary to thoroughly evaluate compliance with all the applicable requirements of Article III of the rules and
regulations of Philadelphia Air Management, Pennsylvania Department of Environmental Protection and those requirements promulgated by the Administrator of the
United States Environmental Protection Agency pursuant to the provisions of the Clean Air Act.
office states Environmental Protection Agency parameter the provisions of the clean Air Act.
See the Attached Discussion Sections.
See the Atlached Discussion Sections.

- PROVIDE CONTROL EQUIPMENT INFORMATION ON THIS PAGE IF IT PERTAINS TO THIS APPLICATION, OTHERWISE REMOVE THIS PAGE FROM THE APPLICATION.

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#### Discussion

# Sunoco Philadelphia Refinery Plan Approval Application for Temporary Operation of No. 38 Boiler at No. 3 Boiler House During the Years 2013 and 2014

#### **Summary**

Sunoco Inc. (R&M) (Sunoco) owns and operates a petroleum refinery in Philadelphia, Pennsylvania. This consists of two processing areas, the Girard Point Processing Area (GP) near the Platt Bridge, and the Point Breeze Processing Area (PB) located near the Passyunk Avenue Bridge. The Philadelphia Sunoco refinery is made up of a number of processing units that are employed in the overall process of converting crude petroleum and other hydrocarbon feed stocks into finished hydrocarbon products and petrochemicals. Products include gasoline, home heating oil, diesel fuel and others. All of the Philadelphia Refinery processing units rely on the combustion of gaseous fuels (refinery by-product gas and natural gas) in combustion units (direct fired process heaters and steam producing boilers or heat recovery units) to provide the energy needed to drive hydrocarbon conversions and product separations. The Philadelphia Refinery produces some steam from process unit heat recovery devices. An example cited in this application includes the steam producing catalyst coolers and the CO Boiler at the Unit 1232 Fluid Catalytic Cracking Unit (FCCU). The majority of steam, however, comes from the fuel fired boilers at the GP No. 3 Boiler House. This application relates to the temporary operation of one of the GP boilers, No. 38 Boiler, pursuant to the agreement memorialized in the Fourth Amendment to a Consent Decree (Civil Action No. 05-02866).

No. 3 Boiler House contains four boilers. No.'s 37, 39 and 40 boilers are operated continuously except during maintenance periods or breakdowns. No. 38 Boiler was shutdown, within the last 5 years, in June of 2010 as part of the heater/boiler plan. No. 37, 39 and 40 boilers were provided with NOx controls under the heater/boiler plan pursuant to the Consent Decree (Civil Action No. 05-02866). At the present time, Sunoco needs temporary supplementary steam production during either break down or repair periods at steam producing equipment at Unit 1232 FCCU or at GP No. 3 Boiler House. In order to implement the agreement of the parties to the Fourth Amendment to the Consent Decree (Civil Action No. 05-02866), this application proposes that No. 38 Boiler be brought into use, with certain limitations discussed below, to serve as that temporary supplemental unit. An alternative might be the rental of supplemental units, but Sunoco sees No. 38 boiler as the more practical alternative for the short term

#### Basis for Operation of No. 38 Boiler

As noted above, there is a Consent Decree (Civil Action No. 05-02866) covering the operation of the No. 3 Boiler House boilers. Sunoco proposes to operate No. 38 Boiler on a temporary basis according to the Fourth Amendment to the Consent Decree, lodged 8/17/12. Pertaining to No. 38 Boiler, this reads as follows:

Plan Approval Application for Temporary Operation of No. 38 Boiler at No. 3 Boiler House During the Years 2013 and 2014

"Boiler #38 may be operated only during 2013 and 2014 as a temporary back-up during periods of maintenance or down-time at the Philadelphia Refinery No. 3 boilerhouse or the steam generating portions of the 1232 unit, provided that its total annual NOx emissions do not exceed 24.9 tons per year on a 12 month rolling average basis in 2013 and 2014, and it shall be permanently shut-down as provided in paragraph 10.JJ.iv ("Qualifying Controls") by no later than August 31, 2014"

In order to operate No. 38 Boiler, Sunoco will make necessary repairs. In addition, Sunoco will give consideration to and may install NOx controls that would offer flexibility in the length of time that the No. 38 Boiler would be serviceable under the 24.9 tpy NOx limitation.

#### Proposed Monitoring for the NOx Limitation.

All the boilers at No. 3 Boiler House exhaust through ductwork to a common stack

The current operating boilers at No. 3 Boiler House have an average NOx rate of about 0.036 Lb/MM Btu. No. 38 Boiler has a NOx rate of 0.271 Lb/MM Btu in its present configuration without added NOx controls. The existing rate for No. 38 Boiler NOx was determined from an operating period in 2010 (specifically 1/1 10 thru 3/5/10) when No. 38 Boiler was operated at the same time as No. 37 and No. 39 Boiler which had Consent Decree NOx controls. This differential is relevant to our monitoring proposal in that the significant difference between a controlled boiler and a non-controlled boiler NOx rate is the basis for a simple and accurate tracking calculation.

No. 3 Boiler House has CEMs for NOx and Oxygen, and a computerized system compliant within the Acid Rain program and Pennsylvania CAIR for NOx reporting. Sunoco proposes to use this system for monitoring. During use of No. 38 Boiler, Sunoco will assume that the Consent Decree controlled boilers (the CD boilers) have the NOx rate in Lb/MM Btu that they had 30 operating days before the use of No. 38 Boiler. This is actually a tracked and reported value in the present monitoring procedure. The 38 Boiler emissions will be calculated by measuring the difference in emission rates. The firing rates of the CD boilers will be multiplied by the previous 30 day average NOx rate in Lb/MM Btu and converted to Lb/Hr. This sum will be subtracted from the total stack calculation for NOx in Lb/Hr. The difference will be the NOx rate from No. 38 Boiler. By this method it will not be necessary to know the No. 38 Boiler stand alone NOx emission rate, and it will not matter whether No. 38 Boiler is modified or not with NOx controls.

This procedure tracks actual NOx emissions and is more accurate than setting up a prescribed number of days of No. 38 Boiler operation based on its typical NOx rate which is actually an unknown any time it is brought on line from a long period of idleness.

#### **Ancillary Emissions Discussion**

Plan Approval Application for Temporary Operation of No. 38 Boiler at No. 3 Boiler House During the Years 2013 and 2014

The modified Consent Decree does not require a tabulation of other pollutants from No. 38 Boiler during its operation. This is appropriate for a number of reasons. First of all, the proposed operation is temporary in nature over less than a two year period. After 8/31/14 Sunoco will have to find a different method of meeting maintenance period or loss period steam needs. In another vein, the No. 38 Boiler emissions are not additional to normal operation when considering that No. 38 Boiler was operational and available as a supplement within the last 5 years, the typical regulatory look back period.

#### **Proposed Plan Approval Terms**

- No. 38 Boiler at No. 3 Boiler House shall be limited to temporary use as a back-up boiler during the term of January 1, 2013 to August 31, 2014
- ➤ Back-up provided by temporary operation only during periods of maintenance or down-time at the NO. 3 Boiler House or the steam generating portions of the 1232 unit.
- Annual NOx emissions shall not exceed 24.9 tons per year on a 12 month rolling average basis in the term January 1, 2013 to August 31, 2014
- No. 38 Boiler shall be permanently shut down by no later than August 31, 2014
- ➤ The NOx emission limitation shall be monitored utilizing the mechanism described above in the section "Proposed Monitoring for the NOx Limitation"

## Compliance History Review

The Pa. Code 25 Section 127.12 requires either a completed compliance review form, or reference to the most recently submitted forms for facilities submitting a compliance review form on a periodic basis. Sunoco files a compliance review semi-annually per 127.12a(j), and the forms are sent to the offices of Philadelphia Air Management Services in May and October of each year.

